## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 October 2004 (14.10.2004)

PCT

## (10) International Publication Number WO 2004/087042 A2

(51) International Patent Classification7:

A61K

(21) International Application Number:

PCT/IL2004/000308

(22) International Filing Date: 4 April 2004 (04.04.2004)

(25) Filing Language:

**English** 

(26) Publication Language:

English

(30) Priority Data: 60/460,005

4 April 2003 (04.04.2003)

(71) Applicant (for all designated States except US): YEDA RESEARCH AND DEVELOPMENT CO. LTD. [IL/IL]; at the Weizmann Institute of Science, P.O. Box 95, Rehovot, 76 100 (IL).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SAGI, Irit [IL/IL]; 10 Neve Metz Street, The Weizmann Institute of Science, Rehovot, 76100 (IL). DANON, Tamar [IL/IL]; 10 Neve Metz Street, The Weizmann Institute of Science, Rehovot, 76 100 (IL).
- (74) Agent: G.E. EHRLICH (1995) LTD.; 11 Menachem Begin Street, Ramat Gan, 52 521 (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTIBODIES AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME USEFUL FOR INHIBITING **ACTIVITY OF METALLOPROTEINS** 

(57) Abstract: A method of producing a metalloprotein inhibitor, the method comprising generating antibodies directed at a composition including a metal ion-bound chelator, wherein the composition is selected having structural and electronic properties similar to a functional domain of the metalloprotein, thereby producing the metalloprotein inhibitor.